

Nuclear Regulatory Commission Briefing on New Plants

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Industry Panel

- **Christopher M. Crane, Chief Operating Officer, Exelon Generation, Chairman, New Plant Oversight Committee**
- **Stephen A. Byrne, Chief Nuclear Officer, South Carolina Electric & Gas, Chairman NEI New Plant Working Group**
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Discussion Topics

- **Current Process Overview**
- **Technical/Policy Issues**
- **Industry Priorities**
- **Conclusion**

Current Process Overview

- **Companies will move forward with COL applications**
 - **Construction decision based on numerous considerations – not just COL issuance**
- **Constructive industry-NRC-public interaction**
 - **Site scoping visits**
 - **Design-Centered Review Approach**
- **Potential Process Issues**
 - **Implementing new/revised rules**
 - **Enhancing the environmental review process**

Technical/Policy Issues

- **Maintaining standardization & high quality applications**
- **Level of Safety**
 - **Industry developed safer designs consistent with Advanced Reactor Policy Statement**
 - **Same regulated safety standard for new and existing plants**
- **Implementing PRA requirements for new plants**
- **Supply chain qualifications**

Industry Priorities

- **Generation III+ deployment (next decade)**
- **Response to COL & DC RAls**
- **Finalize understandings on COL implementation processes:**
 - **Construction inspection, enforcement and assessment**
 - **ITAAC close-out process, including fuel load authorization process**
- **Complete rulemakings**
 - **Waste Confidence**
 - **Part 73**
 - **Aircraft Impact Assessment**

Conclusion

- **Challenges of parallel reviews recognized**
 - **Industry & NRC staff coming to grips with details of COL processes**
- **Need for integrated industry & NRC COL review schedules**
 - **Incorporate benefits of design centered reviews**
- **Good NRC-applicant-public communication**

List of Acronyms

- **COL – Combined Construction Permit and Operating License**
- **DC – Design Certification**
- **NRC -- Nuclear Regulatory Commission**
- **PRA – Probabilistic Risk Assessment**
- **RAI – Request for Additional Information**